INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13189

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ B01J27/224, B01D53/86, B01J35/04, C04B41/85				
According to	International Patent Classification (IPC) or to both nat	ional classification and IPC	·	
B. FIELDS	SEARCHED		· · · · · · · · · · · · · · · · · · ·	
Minimum do	ocumentation searched (classification system followed b Cl ⁷ B01J21/00-38/74, B01D53/86	oy classification symbols) , B01D53/94		
	ion searched other than minimum documentation to the	event that such documents are included	in the fields searched	
Jitsu Kokai	yo Shinan Koho 1922-1996 Jitsuyo Shinan Koho 1971-2004	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	1994-2004 1996-2004	
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sear	ch terms used)	
C DOCIN	IENTS CONSIDERED TO BE RELEVANT			
			Relevant to claim No.	
Category*	Citation of document, with indication, where app			
X Y	US 2002/4455 A1 (NAKANISHI, 10 January, 2002 (10.01.02), Claims 1, 7, 10, 25; Par. Nos & JP 2002-59009 A Claims 1, 7, 10, 25; Par. Nos	. [0044], [0074]	1,5 2	
Y	JP 2002-201082 A (NGK Insula 16 July, 2002 (16.07.02), Claims 1, 2, 5; Par. No. [000 & EP 1277714 A1	tors, Ltd.),		
	Claims 1, 2, 5; Par. No. [000 & US 2003/134084 Al	1]		
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Further	documents are listed in the continuation of Box C.	See patent family annex.		
"A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be		
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) considered novel or cannot be considered to involve an invention cannot document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document is			e claimed invention cannot be p when the document is	
"O" docum means "P" docum	ent referring to an oral disclosure, use, exhibition or other	combined with one or more other such combination being obvious to a person document member of the same patent	n skilled in the art	
Date of the	actual completion of the international search January, 2004 (16.01.04)	Date of mailing of the international sea 27 January, 2004 (
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Tclephone No.		

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A	EP 1078678 A2 (MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA), 28 February, 2001 (28.02.01), Claims 8, 16; Par. Nos. [0021], [0041] to [0043] & JP 2001-129402 A Claim 1; Par. Nos. [0018], [0019], [0023], [0024] & US 6537946 B1	3,4
A	JP 2002-234779 A (NGK Insulators, Ltd.), 23 August, 2002 (23.08.02), Claims 13, 14, 24; Par. Nos. [0001], [0044] & EP 1364930 A1 Claims 13, 14, 24; Par. Nos. [0001], [0044] & US 2003/108458 A1	
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